

Catalog Number
Notes
Type

FEATURES & SPECIFICATIONS

INTENDED USE — The 6" Wafer-Thin LED square recessed downlight with remote driver box combines high quality light output and efficiency while eliminating the pot light housing for competitive affordability. This innovative wafer-slim Type IC design allows easy installation for new construction or remodel from below the ceiling without the requirement of a pot light housing. The LED module maintains at least 70% light output for 36,000 hours. These LED Wafer downlights are intended for closets, attics, hallways, bathrooms, kitchens, basements, soffits, entry ways, porches, garages, stairwells, corridors, nursing/retirement homes, condos, elevators, apartments, and any other small areas.

CONSTRUCTION — Ideal for shallow ceiling plenum since a pot light housing is NOT required. IC rated driver and fixture - approved for direct contact with insulation. Aluminum die cast outer frame. Durable, powder coat paint to prevent rust. Square fixture with integral edge-lit LED's. Steel spring clip for easy installation. Plenum rated cable connector to connect from module to remote driver box. Isolated driver integrated inside steel remote box with four 7/8" knockouts with slots for pryout. Suitable for pulling wires with the 12 cubic-inch wiring compartment to accommodate up to (8) 14 gauge insulated conductors, or (6) 12 gauge insulated conductors; making the Wafer LED Downlights much easier to wire in 2in/2out (plus ground) daisy-chain applications and contractor friendly.

PATENT PENDING.

INSTALLATION — Ideal for shallow ceiling plenum; no housing required. Steel spring clip for easy installation. 6" cut out template is provided to ensure a correct sized hole is cut into ceiling for proper installation of the trim. Size of hole should not exceed 6 1/4 inches for this product. Suitable for installation in t-grid and drop ceiling applications. 2" plenum space required for installation of the remote driver box.

OPTICS — Wafer-Thin downlight edge-lit LED technology uses light guided plate to distribute light. Polycarbonate lens provides even illumination throughout the space. Utilized 2700K, 3000K, 3500K, 4000K, and 5000K color temperature LEDs.

ELECTRICAL — Connect directly to 120V power supply via provided UL recognized driver. High efficient driver with power factor > 0.9. Ambient operating temperature: -40°F (-40°C) to +104°F (+40°C). Dimming down to 10% (See page 4 for recommended dimmers). Standard input wattage is 13W, 65 lumens per watt. Replaces 75W incandescent.

LISTINGS — CSA certified to US and Canadian safety standards. ENERGY STAR® certified product. Wet location. Air Tight certified in accordance with ASTM E283-2004. NOM Certified.

WARRANTY — 5-year limited warranty.

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.

Wafer LED Recessed Downlight WF6 Square 6" LED Module

IC/Non-IC
New Construction/Remodel



Matte black



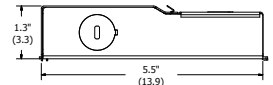
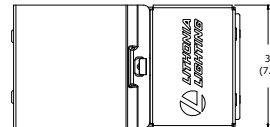
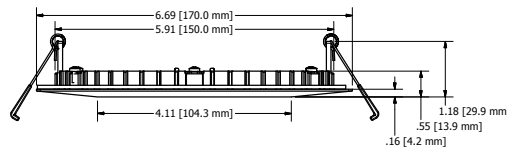
Brushed nickel



Oil-rubbed bronze

Specifications

Aperture:	4.9 (12.4)
Ceiling opening:	6 (15.2)
Overlap trim:	6.7 (17)
Height:	1.1 (2.8)



All dimensions are inches (centimeters) unless otherwise indicated.

ORDERING INFORMATION

For shortest lead times, configure product using **standard options (shown in bold)**.

Example: WF6 SQ B LED 30K MW

Series	LED		CCT/CRI/W/Lumens ¹	Finish
	Lamp	LED		
WF6 SQ B	6" wafer-thin square LED downlight, baffle trim	LED	27K 2700K/80CRI/13.9W/860L	MW Matte White
WF6 SQ S	6" wafer-thin square LED downlight, smooth trim		30K 3000K/80CRI/13.4W/880L	MB Matte Black
			35K 3500K/80CRI/13.2W/900L	BN Brushed Nickel
			40K 4000K/80CRI/13.9W/920L	ORB Oil-Rubbed Bronze
			50K 5000K/80CRI/14W/980L	

Accessories: Order as separate catalog number.

WF6 PAN R12	6" new construction pan, retail pack of 12
WFJB U	Remodel joist bar
WFEXC6 U	6' FT4 cable
WFEXC10 U	10' FT4 cable
WFEXC20 U	20' FT4 cable



WF6 Pan



Remodel Joist Bar



Extension Cable

Notes

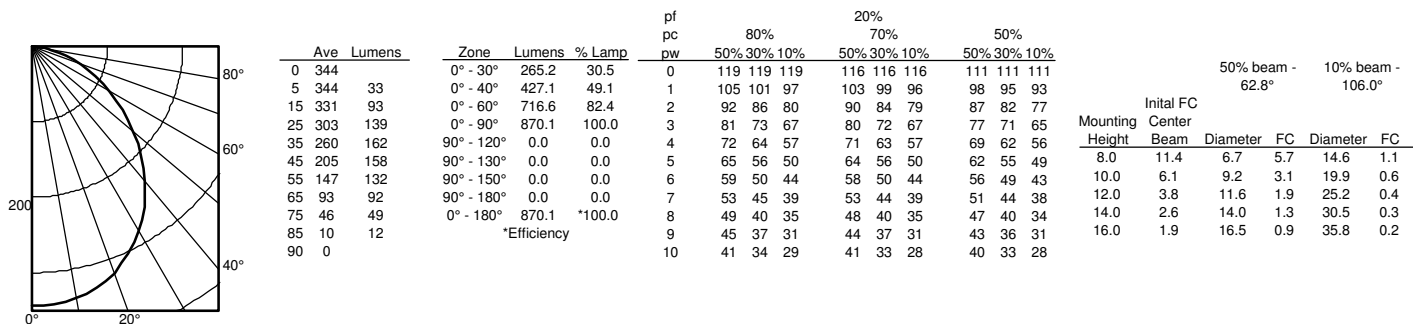
1 Total system delivered lumens.

WF6 SQ 6" LED Wafer Module

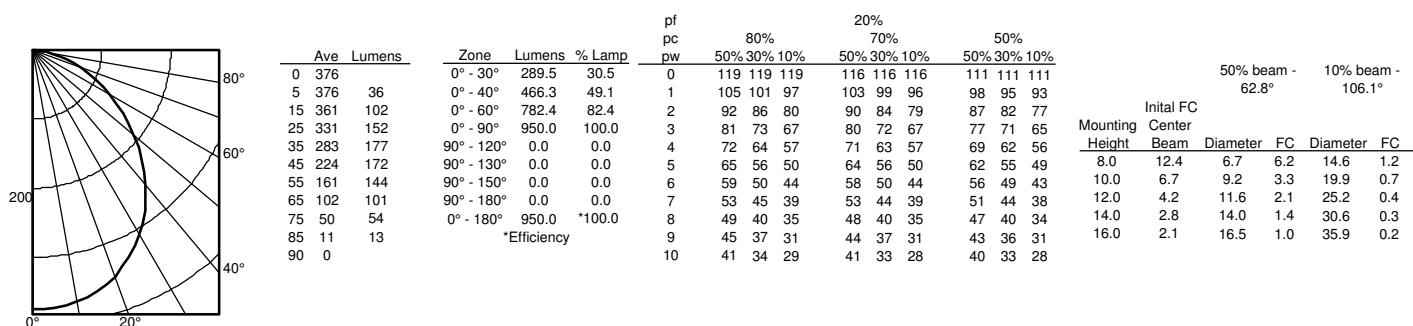
PHOTOMETRICS

Distribution Curve Distribution Data Output Data Coefficient of Utilization Illuminance Data at 30" Above Floor for a Single Luminaire

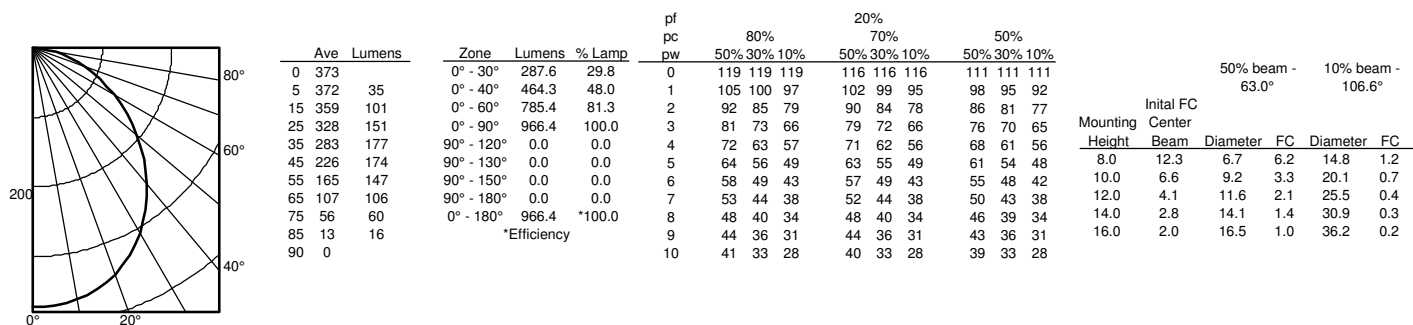
WF6 SQ S LED 27K, 2700K LEDs, input watts: 13.62, delivered lumens: 870, LM/W=63.8, test no. ISF 33169P1



WF6 SQ S LED 30K, 3000K LEDs, input watts: 13.86, delivered lumens: 950, LM/W=68.5, test no. ISF 33169P2



WF6 SQ S LED 35K, 3500K LEDs, input watts: 13.2, delivered lumens: 966, LM/W=73, test no. ISF 35158P2

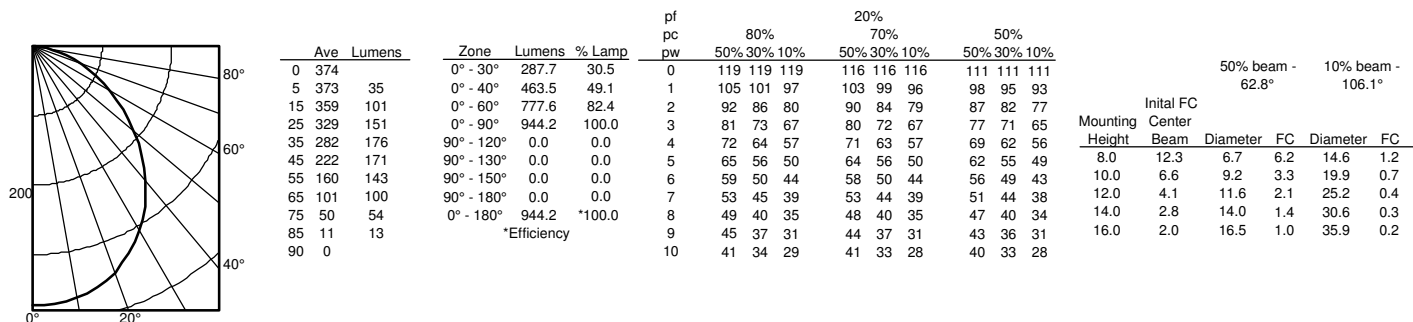


WF6 SQ 6" LED Wafer Module

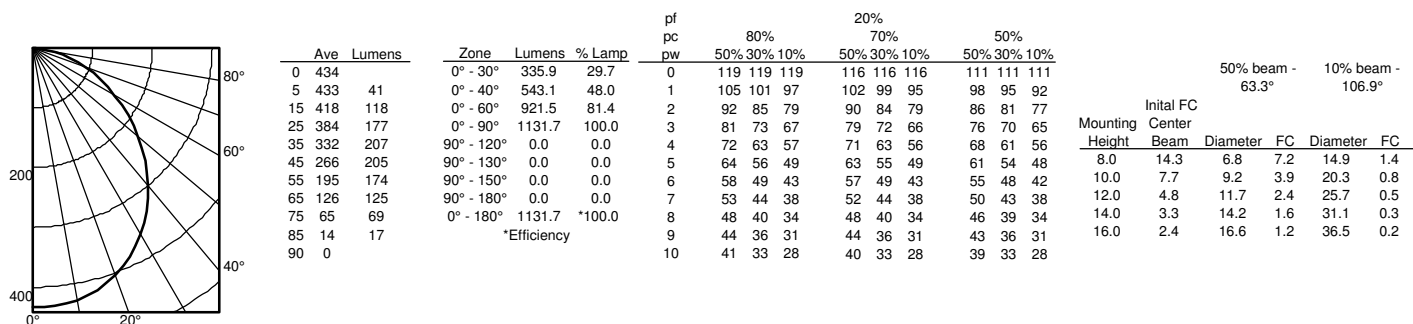
PHOTOMETRICS

Distribution Curve Distribution Data Output Data Coefficient of Utilization Illuminance Data at 30" Above Floor for a Single Luminaire

WF6 SQ S LED 40K, 4000K LEDs, input watts: 13.7, delivered lumens: 944, LM/W=68.9, test no. ISF 33169P3



WF6 SQ S LED 50K, 5000K LEDs, input watts: 14, delivered lumens: 1131, LM/W=80, test no. ISF 35157P1

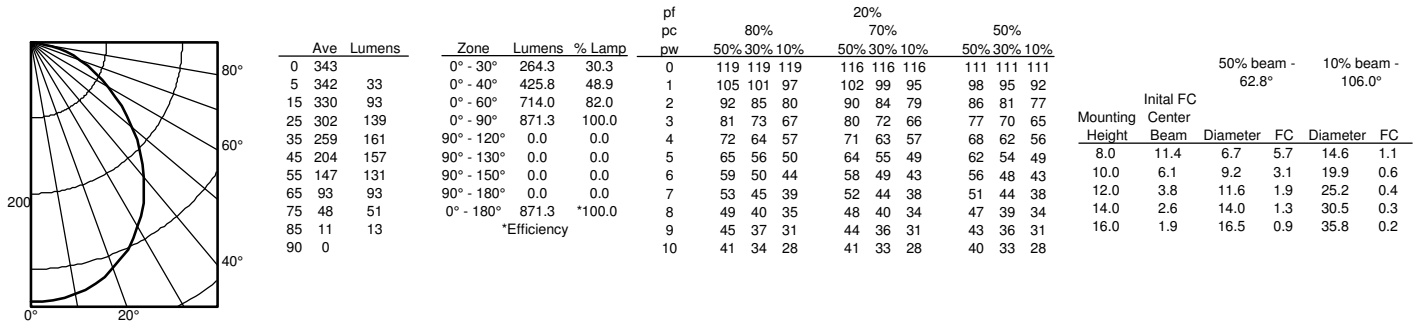


WF6 SQ 6" LED Wafer Module

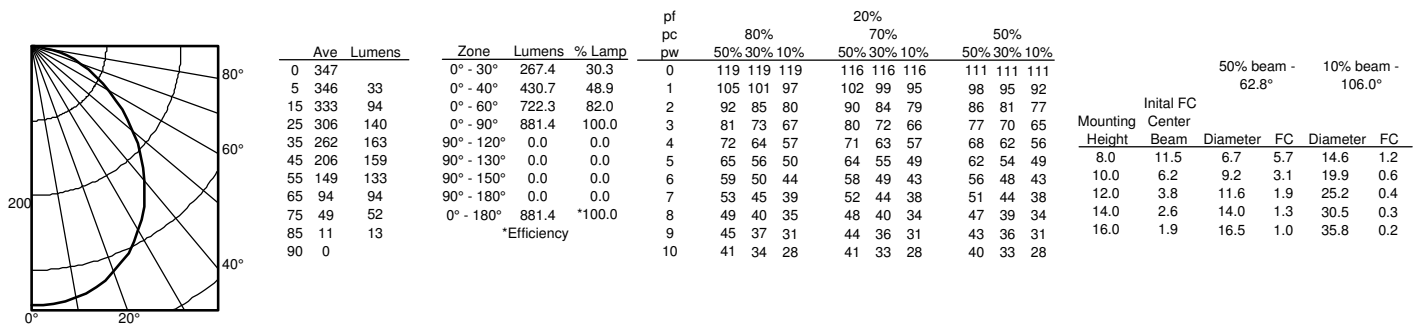
PHOTOMETRICS

Distribution Curve Distribution Data Output Data Coefficient of Utilization Illuminance Data at 30" Above Floor for a Single Luminaire

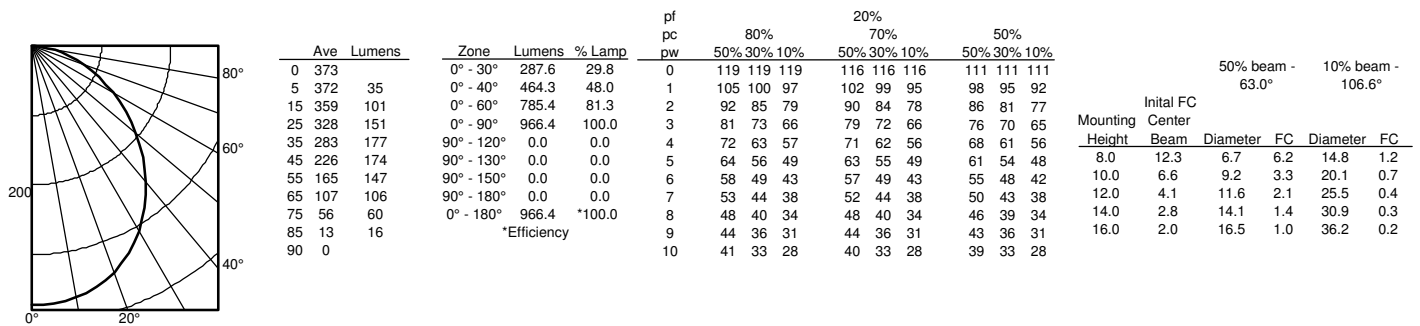
WF6 SQ B LED 27K, 2700K LEDs, input watts: 14.3, delivered lumens: 895, LM/W=62.5, test no. ISF 33186



WF6 SQ B LED 30K, 3000K LEDs, input watts: 13.42, delivered lumens: 881, LM/W=65.6, test no. ISF 33186P2



WF6 SQ B LED 35K, 3500K LEDs, input watts: 13.2, delivered lumens: 966, LM/W=73, test no. ISF 35158

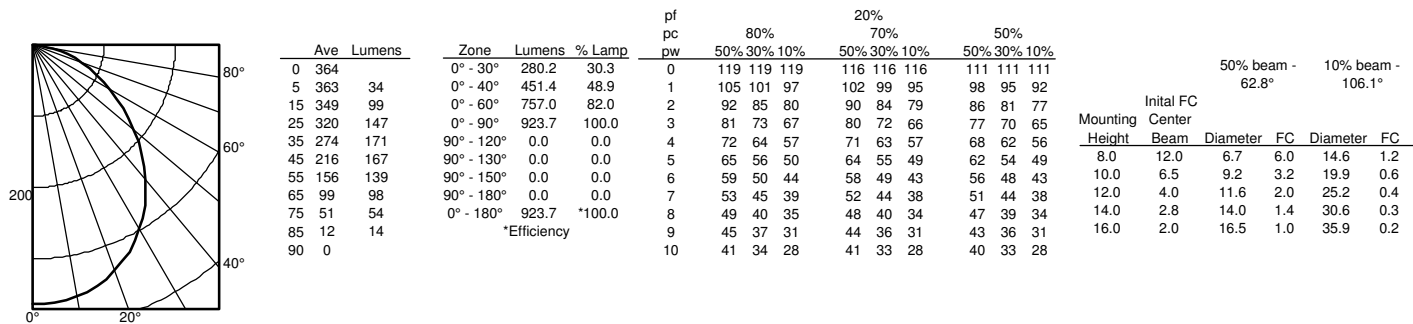


WF6 SQ 6" LED Wafer Module

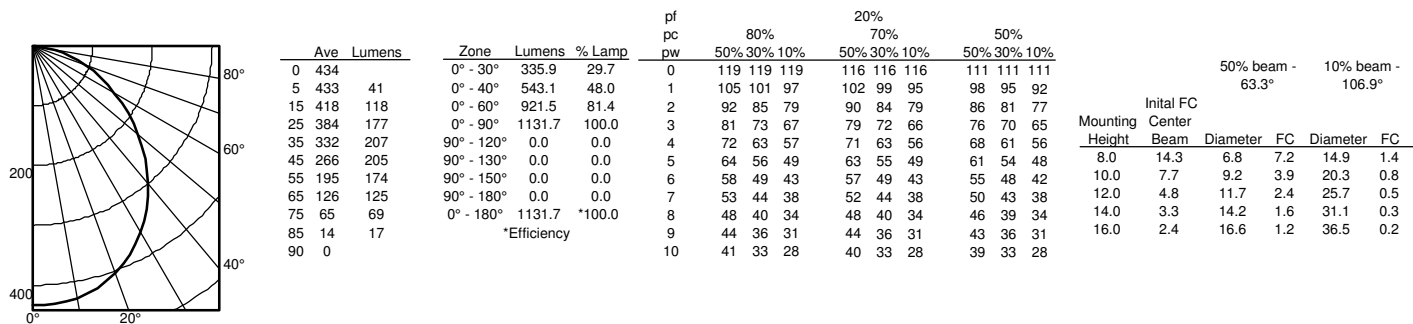
PHOTOMETRICS

Distribution Curve Distribution Data Output Data Coefficient of Utilization Illuminance Data at 30" Above Floor for a Single Luminaire

WF6 SQ B LED 40K, 4000K LEDs, input watts: 13.9, delivered lumens: 923, LM/W=66.4, test no. ISF 33186P3



WF6 SQ B LED 50K, 5000K LEDs, input watts: 14, delivered lumens: 1131, LM/W=80, test no. ISF 35157P2



ENERGY DATA & DIMMING CAPABILITY

6" SQUARE ENERGY DATA					
Lumens	860	880	900	920	980
Color Temperature	2700K	3000K	3500K	4000K	5000K
CRI	80	80	80	80	80
Lu/Watts	61.9	65.6	68.2	66.1	70
Min. starting temp	-40°C (-40°F)				
EMI/RFI	FCC Title 47 CFR, Part 15, Class B				
Sound rating	Class A Standards				
Input voltage	120V				
Min. power factor	0.99				
Input frequency	50/60HZ				
Rated wattage	13.9W	13.4W	13.2W	13.9W	14W
Input power	13.9W	13.4W	13.2W	13.9W	14W
Input current	0.11A	0.11A	0.11A	0.11A	0.12A

COMPATIBLE DIMMERS					
Leviton	Lutron			Sensorswitch	Synergy/Leviton
6633-PA	Maestro MACL-153M (TX)	Diva/Skylark DVRP-253PCTRP-253P	Panel Module HW/LP-RPM-4A-120	nSP5 PCD 2W	ISD 600 I 120/IP106
IPL06-LED/INC mode	Maestro Wireless MRF2-6ELV	Skylark CTCL-150	Panel Module HW/LP-RPM-4U-120	nSP5 PCD ELV 120	ISD 400 ELV 120/IPE04
6615-P	Gen 3.0 DVCL-153P (T9)	Caseta Wireless PD-5NE	Grafik QS/Wallbox LQRJ-WPM-6P		
	Maestro MSCL-OP153M	Maestro MACL-LFQ	Grafik Eye 3000 Family HWI-WPM-6D-120		
	Caseta Wireless PD-6WCL	RadioRA2 RRD-6NA	HomeWorksQS / my Room LQSE-4A1-D/ MQSE-4A1-D/MQSE-3A1/MQSE-2A1-D,120V		
	Grafik T GT-5NEM / GTJ-5NEM	HomeWorks HQRD-6NA	Homeworks QS LQSE-4A-120-D		

*Requires Lutron Smart Bridge L-BDG2-WH (sold separately)

LIGHTING FACTS

Lithonia Lighting

lighting facts
A Program of the U.S. DOE

Light Output (Lumens)	860
Watts	13.9
Lumens per Watt (Efficacy)	61.87

Color Accuracy
Color Rendering Index (CRI) **80**

Light Color
Correlated Color Temperature (CCT) **2700 (Warm White)**

2700K 3000K 4500K 6500K

Warm White | Bright White | Daylight

All results are according to IESNA LM-79-2008: Approved Method for the Electrical and Photometric Testing of Solid-State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit www.lightingfacts.com for the *Label Reference Guide*.

Registration Number: NJSM-XTEEYZ (1/12/2017)
Model Number: WF6 SQ S LED 27K
Type: Luminaire - Downlight

Lithonia Lighting

lighting facts
A Program of the U.S. DOE

Light Output (Lumens)	880
Watts	13.42
Lumens per Watt (Efficacy)	65.57

Color Accuracy
Color Rendering Index (CRI) **80**

Light Color
Correlated Color Temperature (CCT) **3000 (Bright White)**

2700K 3000K 4500K 6500K

Warm White | Bright White | Daylight

All results are according to IESNA LM-79-2008: Approved Method for the Electrical and Photometric Testing of Solid-State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit www.lightingfacts.com for the *Label Reference Guide*.

Registration Number: NJSM-T7ZK1S (1/12/2017)
Model Number: WF6 SQ S LED 30K
Type: Luminaire - Downlight

Lithonia Lighting

lighting facts
A Program of the U.S. DOE

Light Output (Lumens)	900
Watts	13.2
Lumens per Watt (Efficacy)	68.18

Color Accuracy
Color Rendering Index (CRI) **80**

Light Color
Correlated Color Temperature (CCT) **3500 (Bright White)**

2700K 3000K 4500K 6500K

Warm White | Bright White | Daylight

All results are according to IESNA LM-79-2008: Approved Method for the Electrical and Photometric Testing of Solid-State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit www.lightingfacts.com for the *Label Reference Guide*.

Registration Number: NJSM-K6YGH6 (6/28/2017)
Model Number: WF6 SQ S LED 35K
Type: Luminaire - Downlight

Lithonia Lighting

lighting facts
A Program of the U.S. DOE

Light Output (Lumens)	920
Watts	13.91
Lumens per Watt (Efficacy)	66.14

Color Accuracy
Color Rendering Index (CRI) **80**

Light Color
Correlated Color Temperature (CCT) **4000 (Bright White)**

2700K 3000K 4500K 6500K

Warm White | Bright White | Daylight

All results are according to IESNA LM-79-2008: Approved Method for the Electrical and Photometric Testing of Solid-State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit www.lightingfacts.com for the *Label Reference Guide*.

Registration Number: NJSM-WBELEY (1/12/2017)
Model Number: WF6 SQ S LED 40K
Type: Luminaire - Downlight

Lithonia Lighting

lighting facts
A Program of the U.S. DOE

Light Output (Lumens)	980
Watts	14
Lumens per Watt (Efficacy)	70

Color Accuracy
Color Rendering Index (CRI) **80**

Light Color
Correlated Color Temperature (CCT) **5000 (Daylight)**

2700K 3000K 4500K 6500K

Warm White | Bright White | Daylight

All results are according to IESNA LM-79-2008: Approved Method for the Electrical and Photometric Testing of Solid-State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit www.lightingfacts.com for the *Label Reference Guide*.

Registration Number: NJSM-MW5OZZ (6/28/2017)
Model Number: WF6 SQ S LED 50K
Type: Luminaire - Downlight

LIGHTING FACTS

LED lighting facts
A Program of the U.S. DOE

Light Output (Lumens) 860
Watts 13.9
Lumens per Watt (Efficacy) 61.87

Color Accuracy
Color Rendering Index (CRI) 80

Light Color
Correlated Color Temperature (CCT) 2700 (Warm White)

2700K 3000K 4500K 6500K

Warm White Bright White Daylight

All results are according to IESNA LM-79-2008: Approved Method for the Electrical and Photometric Testing of Solid-State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit www.lightingfacts.com for the *Label Reference Guide*.

Registration Number: NJSM-IQ1QAZ (1/12/2017)
Model Number: WF6 SQ B LED 27K
Type: Luminaire - Downlight

LED lighting facts
A Program of the U.S. DOE

Light Output (Lumens) 880
Watts 13.42
Lumens per Watt (Efficacy) 65.57

Color Accuracy
Color Rendering Index (CRI) 80

Light Color
Correlated Color Temperature (CCT) 3000 (Bright White)

2700K 3000K 4500K 6500K

Warm White Bright White Daylight

All results are according to IESNA LM-79-2008: Approved Method for the Electrical and Photometric Testing of Solid-State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit www.lightingfacts.com for the *Label Reference Guide*.

Registration Number: NJSM-6J8N4M (1/12/2017)
Model Number: WF6 SQ B LED 30K
Type: Luminaire - Downlight

LED lighting facts
A Program of the U.S. DOE

Light Output (Lumens) 900
Watts 13.2
Lumens per Watt (Efficacy) 68.18

Color Accuracy
Color Rendering Index (CRI) 80

Light Color
Correlated Color Temperature (CCT) 3500 (Bright White)

2700K 3000K 4500K 6500K

Warm White Bright White Daylight

All results are according to IESNA LM-79-2008: Approved Method for the Electrical and Photometric Testing of Solid-State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit www.lightingfacts.com for the *Label Reference Guide*.

Registration Number: NJSM-GTEGEH (6/28/2017)
Model Number: WF6 SQ B LED 35K
Type: Luminaire - Downlight

LED lighting facts
A Program of the U.S. DOE

Light Output (Lumens) 920
Watts 13.91
Lumens per Watt (Efficacy) 66.14

Color Accuracy
Color Rendering Index (CRI) 80

Light Color
Correlated Color Temperature (CCT) 4000 (Bright White)

2700K 3000K 4500K 6500K

Warm White Bright White Daylight

All results are according to IESNA LM-79-2008: Approved Method for the Electrical and Photometric Testing of Solid-State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit www.lightingfacts.com for the *Label Reference Guide*.

Registration Number: NJSM-UIM2ZH (1/12/2017)
Model Number: WF6 SQ B LED 40K
Type: Luminaire - Downlight

LED lighting facts
A Program of the U.S. DOE

Light Output (Lumens) 980
Watts 14
Lumens per Watt (Efficacy) 70

Color Accuracy
Color Rendering Index (CRI) 80

Light Color
Correlated Color Temperature (CCT) 5000 (Daylight)

2700K 3000K 4500K 6500K

Warm White Bright White Daylight

All results are according to IESNA LM-79-2008: Approved Method for the Electrical and Photometric Testing of Solid-State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit www.lightingfacts.com for the *Label Reference Guide*.

Registration Number: NJSM-6Z6AZ4 (6/28/2017)
Model Number: WF6 SQ B LED 50K
Type: Luminaire - Downlight